Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force

**DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

3600: Research, Development, Test & Evaluation, Air Force

PE 0604329F: Small Diameter Bomb

BA 5: Development & Demonstration (SDD)

,											
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	122.568	155.415	153.505	0.000	153.505	162.393	128.606	69.545	68.529	Continuing	Continuing
655191: Small Diameter Bomb Increment II	122.568	155.415	153.505	0.000	153.505	162.393	128.606	69.545	68.529	0.000	1,123.629

### A. Mission Description and Budget Item Justification

Small Diameter Bomb Increment II (SDB II) is a joint interest program providing the warfighter a capability to attack mobile targets from stand-off in weather. SDB II addresses the following warfighter requirements: attack mobile targets, adverse weather operations, multiple kills per pass, multiple ordnance carriage, precision munitions capability, capability against fixed targets, reduced munitions footprint, increased weapons effectiveness, minimized potential for collateral damage, reduced susceptibility of munitions to countermeasures and provides a migration path to net-centric ops capability. Threshold aircraft are the F-15E (USAF), F-35B (USMC), and F-35C (USN). SDB II will be compatible with the BRU-61 miniature munitions carriage and the SDB I container systems. SDB II began a competitive Risk Reduction phase in FY06 and Milestone B is scheduled for FY10. EMD contract award is scheduled for FY10 following Milestone B, and Required Assets Available (RAA) on the F-15E is planned for not greater than 59 months post contract award. The Navy Initial Operating Capability (IOC) is planned for not greater than 86 months post contract award on the F-35B and the F-35C. While the complete hardware and software for normal attack, Coordinate Attack (CA), and Semi-Active Laser (SAL) attack will be developed and in place, normal attack capability will be verified and released first to accelerate capability to the warfighter. Full capability will be delivered in FY16 after verification of CA and SAL capability. Objective aircraft include: F-22, F-16, F-35A, B-2, A-10, MQ-9, B-1, B-52, and the F/A-18 E/F. SDB will continue incremental development to pursue network centric interoperability. SDB is a key component of the Air Force's Global Strike Task Force CONOPs.

This program is in Budget Activity 5 - Engineering and Manufacturing Development (EMD) because this RDT&E effort develops the Small Diameter Bomb weapon system.

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force

**DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force

BA 5: Development & Demonstration (SDD)

**R-1 ITEM NOMENCLATURE** 

PE 0604329F: Small Diameter Bomb

## **B. Program Change Summary (\$ in Millions)**

	FY 2009	FY 2010	<b>FY 2011 Base</b>	FY 2011 OCO	FY 2011 Total
Previous President's Budget	126.324	153.815	0.000	0.000	0.000
Current President's Budget	122.568	155.415	153.505	0.000	153.505
Total Adjustments	-3.756	1.600	153.505	0.000	153.505
<ul> <li>Congressional General Reductions</li> </ul>		0.000			
<ul> <li>Congressional Directed Reductions</li> </ul>		0.000			
<ul> <li>Congressional Rescissions</li> </ul>	0.000	0.000			
<ul> <li>Congressional Adds</li> </ul>		1.600			
<ul> <li>Congressional Directed Transfers</li> </ul>		0.000			
<ul> <li>Reprogrammings</li> </ul>	0.000	0.000			
<ul> <li>SBIR/STTR Transfer</li> </ul>	0.000	0.000			
<ul> <li>Other Adjustments</li> </ul>	-3.756	0.000	153.505	0.000	153.505

# **Change Summary Explanation**

The FY 2010 President's Budget submittal did not reflect FY 2011 through FY 2015 funding. Therefore, explanation of changes between the two budget positions cannot be made in a relevant manner.

Exhibit R-2A, RDT&E Project Just		DATE: February 2010									
APPROPRIATION/BUDGET ACT 3600: Research, Development, Te BA 5: Development & Demonstrati	st & Evaluatio	n, Air Force	Air Force R-1 ITEM NOMENCLATURE PROJECT PE 0604329F: Small Diameter Bomb 655191: Small Diameter Bomb				ECT  1: Small Diameter Bomb Increment II				
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
655191: Small Diameter Bomb Increment II	122.568	155.415	153.505	0.000	153.505	162.393	128.606	69.545	68.529	0.000	1,123.629
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

## A. Mission Description and Budget Item Justification

Small Diameter Bomb Increment II (SDB II) is a joint interest program providing the warfighter a capability to attack mobile targets from stand-off in weather. SDB Il addresses the following warfighter requirements: attack mobile targets, adverse weather operations, multiple kills per pass, multiple ordnance carriage, precision munitions capability, capability against fixed targets, reduced munitions footprint, increased weapons effectiveness, minimized potential for collateral damage, reduced susceptibility of munitions to countermeasures and provides a migration path to net-centric ops capability. Threshold aircraft are the F-15E (USAF), F-35B (USMC), and F-35C (USN). Objective aircraft include: F-22A, F-35A, F-16, B-2, A-10, MQ-9, B-1, B-52, and the F/A-18 E/F. SDB II will be compatible with the BRU-61 miniature munitions carriage and the SDB I container systems. SDB II began a competitive Risk Reduction phase in FY06 and Milestone B is scheduled in FY10. Milestone C is planned for FY13 followed by RAA on the F-15E in FY14. The Navy Initial Operating Capability (IOC) is scheduled for FY16 on the F-35B and the F-35C. While the complete hardware and software for normal attack, Coordinate Attack (CA), and Semi-Active Laser (SAL) attack will be developed and in place by FY14, only the normal attack capability will be verified and released by FY14. Full capability will be delivered in FY16 after verification of CA and SAL capability. SDB will continue incremental development to pursue network centric interoperability. SDB is a key component of the Air Force's Global Strike Task Force CONOPs.

## B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
MAJOR THRUST: Conduct Risk Reduction effort to prove out system concepts and models using subsystem prototype demonstrations.	94.428	0.000	0.000	0.000	0.000
FY 2009 Accomplishments: In FY2009: Completed Risk Reduction effort. Two prime contractors competing for continuation into Engineering and Manufacturing Development (EMD) conducted hardware and software-in-the-loop testing and captive carry tests to demonstrate technical maturity Technology Readiness Level 6					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 5: Development & Demonstration (SDD)

DATE: February 2010

R-1 ITEM NOMENCLATURE
PE 0604329F: Small Diameter Bomb
655191: Small Diameter Bomb Increment II

# B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
(TRL6) of system components in a relevant environment. Define system concepts, reduce technical risk, and employ competition to control cost prior to freezing designs at Critical Design Review (CDR).					
FY 2010 Plans:					
In FY2010: Not Applicable					
FY 2011 Base Plans:					
In FY2011: Not Applicable					
FY 2011 OCO Plans:					
In FY 2011 OCO: Not Applicable.					
MAJOR THRUST: Commence EMD to generate a design that delivers the capability described in the SDB Capability Development Document (CDD)	0.000	119.034	117.040	0.000	117.040
FY 2009 Accomplishments: In FY2009: Not Applicable					
FY 2010 Plans: In FY2010: Commence EMD to generate a design that delivers the capability described in the SDB II Capability Development Document (CDD) as specified in the government approved SDB II System Performance Specification (SPS) and prepare for production, deployment, and sustainment. Initiate Integrated Systems Design (ISD)" activities leading to a Critical Design Review (CDR) within six months of EMD contract award (expected in May 2010). ISD will verify that the integrated SDB II components deliver the system capability as specified. Related activities include: modeling and verification of system reliability; planning and executing interface activities with the threshold aircraft, BRU-61/A carriage, mission planning systems, weapon data link network, and common munitions built-in-test/reprogramming equipment (CAMBRE); definition of laboratory, ground, and flight test					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force				DATE: Febr	uary 2010	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604329F: Small Diameter Bomb		<b>PROJECT</b> 655191: <i>Sn</i>	mall Diameter Bomb Increment II		
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
activities; and planning for a formal Verification, Validation, and A Flight Simulation.	ccreditation (VV&A) of the Integrated					
FY 2011 Base Plans: In FY2011: Continue Integrated Systems Design activity and deli in 2011. The first AUR will be used to initiate developmental testir Attack Mode. Activities include, but are not limited to, designing, capability that delivers production quantities while ensuring the "a design and meet SPS requirements.	ng (DT) for the SDB II Normal developing, and verifying production					
FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.						
MAJOR THRUST: F-15E aircraft Integration. Aircraft integration incor and simulation (M&S), target lethality, data link and mission planning.	porates tests and targets, modeling	21.467	30.658	34.618	0.000	34.618
FY 2009 Accomplishments: In FY2009: Iniated F-15E Suite 7E OFP development. Complete Preliminary Design Review and detailed design. Develop Suite 7 upgrade to provide the capability to program the weapon with mis data link control, and exclusion zone information prior to launch or aircrew to make in-flight edits of target and weapon data link progemployment scenarios.	E Operational Flight Program sion planned targets, weapon f the weapon. It also allows the					
FY 2010 Plans: In FY2010: Continue F-15E Suite 7E OFP development. Conduction coding and integration test, electronic systems integration lab. Conto enable aircrew capability to make in-flight cockpit edits of target programming if/when required based on the employment scenarion.	ontinue F-15E OFP upgrade eting and weapon data link					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 5: Development & Demonstration (SDD)

APPROPRIATION/BUDGET ACTIVITY

PE 0604329F: Small Diameter Bomb

PROJECT

655191: Small Diameter Bomb Increment II

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Link 16 fighter data link system. Conduct flight and ground testing. Provide targets needed to support Developmental Testing (DT) and Initial Operational Test and Evaluation (IOT&E). Commence support for data link encryption, Joint Interoperability Test Command (JITC) support and weapons data link key management software to distribute National Security Agency (NSA) certified encryption key data to the mission planning environment to secure weapon data link terminal for post-release communications. Provide viation and Missile Research Development and Engineering Center (ARMDEC) support and Synthetic Background development required for DT/OT pre and post-flight analysis, Scenario Weapon Effectiveness (SWE)/Weapon Effectivenes (WE) high fidelity performance predictions, M&S VV&A, and requirements verification. Initiate development/modification of an Air and Space Operations Center software application to transmit data link network tasking. Conduct mission planning for the weapon.					
FY 2011 Base Plans: In FY2011: Conduct formal qualification testing, developmental flight testing, force development evaluation and validation and verification. Complete F-15E OFP upgrade to enable aircrew capability to make in-flight cockpit edits of targeting and weapon data link programming if/when required based on the employment scenarios. Conduct flight and ground testing. Targets are needed to support Developmental Testing (DT) and Initial Operational Test and Evaluation (IOT&E). Conduct Advanced Joint Effectiveness Model (AJEM) lethality modeling, testing and targets essential for validation of the models to the lethality codes. Continue NSA, JITC and weapon data link key management software support. AMRDEC support for modeling and simulation tasks and VV&A. Continue weapon mission planning, AOC messaging capability and initiate mission planning for F-15E Suite 7E.					
FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.					
MAJOR THRUST: Provide Program Office Support for squadron to conduct operations to accomplish its mission.	5.073	4.123	1.847	0.000	1.847

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force **DATE:** February 2010 **PROJECT** APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE 3600: Research, Development, Test & Evaluation, Air Force PE 0604329F: Small Diameter Bomb 655191: Small Diameter Bomb Increment II BA 5: Development & Demonstration (SDD) B. Accomplishments/Planned Program (\$ in Millions) FY 2011 FY 2011 FY 2011 **FY 2009 FY 2010** Base OCO Total FY 2009 Accomplishments: In FY 2009: Completed Program Office Support for squadron to conduct operations to accomplish its mission. This included Advisory and Assistance Support (A&AS) for technical and managerial support, Air Force Research Lab, Aviation and Missile Research Development and Engineering Center support, and program management administration for travel and miscellaneous supplies. FY 2010 Plans: In FY 2010: Continue Program Office Support for squadron to conduct operations to accomplish its mission. This includes, but is not limited to, Advisory and Assistance Support (A&AS) for technical and managerial support, Air Force Research Lab, AMRDEC support, and program management administration for travel and miscellaneous supplies. Provide support for activities required to award contract and conduct a Milestone B decision scheduled for FY10. The SDBII Program Office at Eglin Air Force Base will act as the Single Manager for the entire life cycle of the SDBII weapon system. FY 2011 Base Plans: In FY 2011: Continued Program Office Support for squadron to conduct operations to accomplish its mission. This includes Advisory and Assistance Support (A&AS) for technical and managerial support, Air Force Research Lab, Aviation and Missile Research Development and Engineering Center support, and program management administration for travel and miscellaneous supplies. FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable. MAJOR THRUST: Continue development and qualification of the MPACT High Pressure Air Compressor 1.600 1.600 0.000 0.000 0.000 system as an alternate compressor system for the SDB weapon system. FY 2009 Accomplishments: In FY 2009: The MPACT assembly testing is required to verify it meets all interface and performance

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requirements to serve as a replacement for the existing BRU-61/A compressor assembly. Completed

R-1 Line Item #68 Page 7 of 14

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 5: Development & Demonstration (SDD)

AR-1 ITEM NOMENCLATURE
PE 0604329F: Small Diameter Bomb
655191: Small Diameter Bomb Increment II

# B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
remaining MPACT qualification testing at the assembly level; performed a system level assessment of the BRU-61/A to meet its current performance requirements and capabilities; and demonstrated performance at various pressure altitude/temperature combinations.					
FY 2010 Plans: In FY 2010: Qualify through a series of environmental test exposures at the BRU level; Conduct margin tests to demonstrate design robustness; Demonstrate MPACT can pass the production, Environmental Stress Screening (ESS), and Acceptance Test Procedures (ATP) tests at BRU level; Identify and incorporate required changes as a result of system level performance assessment conducted during nitial effort to demonstrate retention of performance level.					
FY 2011 Base Plans: In FY 2011: Not Applicable					
FY 2011 OCO Plans: In FY 2011 OCO: Not Applicable.					
Accomplishments/Planned Programs Subtotals	122.568	155.415	153.505	0.000	153.505

# C. Other Program Funding Summary (\$ in Millions)

			FY 2011	FY 2011	FY 2011					Cost To	
<u>Line Item</u>	FY 2009	FY 2010	<b>Base</b>	000	<u>Total</u>	FY 2012	FY 2013	FY 2014	FY 2015	<b>Complete</b>	Total Cost
• PE 0207327F: Appn 3020,	0.000	0.000	0.000	0.000	0.000	0.000	39.408	57.122	74.184	1,583.416	0.000
Missile Procurement, AF											
• PE 0604329N: Appn 3600,	18.918	43.720	44.091	0.000	44.091	74.918	37.598	42.912	39.964	36.500	0.000
RDT&E, Navy											
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.341	898.500	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE PROJECT

3600: Research, Development, Test & Evaluation, Air Force

PE 0604329F: Small Diameter Bomb | 655191: Small Diameter Bomb Increment II

BA 5: Development & Demonstration (SDD)

C. Other Program Funding Summary (\$ in Millions)

FY 2011 FY 2011 FY 2011 Cost To

Line Item FY 2009 FY 2010 Base OCO Total FY 2012 FY 2013 FY 2014 FY 2015 Complete Total Cost

• PE 0204162N: Appn 3020, Missile Procurement, Navy

## D. Acquisition Strategy

All major contracts within this Program Element were awarded through full and open competition. Two contractors were selected for a 42 month Risk Reduction phase using Cost Plus Fixed Fee contracts. Down select to one contractor will occur prior to Engineering and Manufacturing Development (EMD). EMD will be a Fixed Price Incentive Firm Target contract. The DoN is funding the integration of the SDB II on the threshold F-35B and F-35C Joint Strike Fighter.

The Government is buying the SDB II based on contractor-developed System Performance Specification (SPS) which will become contractually binding at down select. The contractor will be accountable for system performance as defined in the SPS and will include a system warranty. Accordingly, the contractor is accountable to the government for the design of the weapon system, as well as the planning and executing the Development Test and Evaluation (DT&E) program to verify the system performance. The Government formally arranges and funds the use of Government flight test support for DT&E. Although funded by the Government, flight test support funds are part of the negotiated commitment between the contractor and the Government ensuring the contractor is able to execute the DT&E Program according to the scope of the EMD contract.

#### E. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force

**DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY

BA 5: Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

**PROJECT** 

3600: Research, Development, Test & Evaluation, Air Force

PE 0604329F: Small Diameter Bomb

655191: Small Diameter Bomb Increment II

**Product Development (\$ in Millions)** 

				FY 2010		FY 2011 Base		FY 2011 OCO					
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Risk Reduction Contract	C/CPFF	Boing St. Louis MO	156.958	0.000		0.000		0.000		0.000	0.000	156.958	156.958
Risk Reduction Contract 2	C/CPFF	Raytheon Tucson AZ	156.958	0.000		0.000		0.000		0.000	0.000	156.958	156.958
EMD	C/FPI	TBD TBD	0.000	119.035		117.040		0.000		117.040	361.007	597.082	597.082
M-PACT High Pressure Air Generator System	TBD/TBD	TBD TBD	1.600	1.600		0.000		0.000		0.000	0.000	3.200	3.200
		Subtotal	315.516	120.635		117.040		0.000		117.040	361.007	914.198	914.198

#### **Remarks**

**Support (\$ in Millions)** 

				FY 2	010	FY 2 Ba	-	FY 2 OC		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
F-15 SPO	РО	F15 SPO Wright Patt AFB, OH	18.329	10.567		6.733		0.000		6.733	6.034	41.663	41.663
BRU-61/A	PO	Boeing St. Louis, MO	2.603	1.356		0.000		0.000		0.000	0.000	3.959	3.959
Other	Various/ Various	Various Various	19.973	6.618		9.006		0.000		9.006	23.391	58.988	58.988

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force

**DATE**: February 2010

APPROPRIATION/BUDGET ACTIVITY

BA 5: Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

**PROJECT** 

3600: Research, Development, Test & Evaluation, Air Force

PE 0604329F: Small Diameter Bomb

655191: Small Diameter Bomb Increment II

Support (\$ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	40.905	18.541		15.739		0.000		15.739	29.425	104.610	104.610

#### Remarks

## Test and Evaluation (\$ in Millions)

				FY 2	010	FY 2 Ba		FY 2		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Support	PO	46TW Eglin AFB, FL	6.437	8.958		9.036		0.000		9.036	10.343	34.774	34.774
46 TW	PO	46TW Eglin AFB, FL	0.000	3.158		9.843		0.000		9.843	22.555	35.556	35.556
	•	Subtotal	6.437	12.116		18.879		0.000		18.879	32.898	70.330	70.330

#### **Remarks**

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force

**DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

**PROJECT** 

3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)

PE 0604329F: Small Diameter Bomb

655191: Small Diameter Bomb Increment II

## **Management Services (\$ in Millions)**

				FY 20	010	FY 2 Ba		FY 2		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TAMS	C/CPAF	Eglin AFB FL	0.190	0.285		0.289		0.000		0.289	0.754	1.518	1.518
TEAS	C/CPAF	Eglin AFB FL	12.028	2.700		0.429		0.000		0.429	0.270	15.427	15.427
PMA	PO	Eglin AFB FL	2.824	1.138		1.129		0.000		1.129	4.719	9.810	9.811
		Subtotal	15.042	4.123		1.847		0.000		1.847	5.743	26.755	26.756

#### Remarks

	Total Prior Years Cost	FY 2010	FY 2	2011 ise	FY 2	-	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	377.900	155.415	153.505		0.000		153.505	429.073	1,115.893	1,115.894

#### Remarks

Total Prior Years Cost may include only FY 2009 data.

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

3600: Research, Development, Test & Evaluation, Air Force

**R-1 ITEM NOMENCLATURE** 

PROJECT

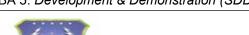
APPROPRIATION/BUDGET ACTIVITY

PE 0604329F: Small Diameter Bomb

655191: Small Diameter Bomb Increment II

**DATE:** February 2010

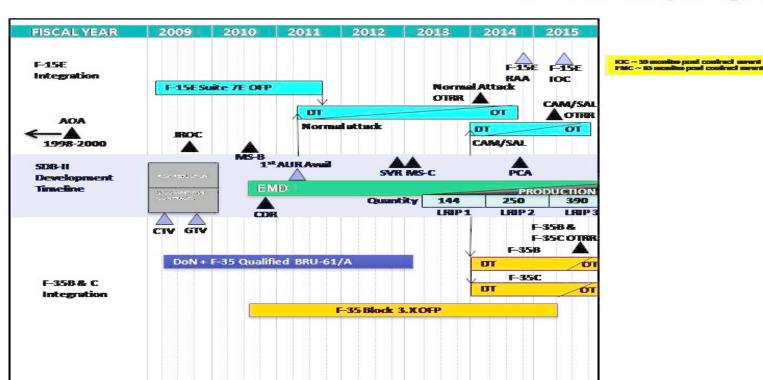
BA 5: Development & Demonstration (SDD)



# Program Schedule



682<sup>nd</sup> Armannent Systems Squadron



Integrity - Service - Excellence

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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 5: Development & Demonstration (SDD)

DATE: February 2010

R-1 ITEM NOMENCLATURE
PE 0604329F: Small Diameter Bomb
655191: Small Diameter Bomb Increment II

## Schedule Details

	St	art	End		
Event	Quarter	Year	Quarter	Year	
Complete Risk Reduction Phase	1	2009	4	2009	
EMD Contract Award	3	2010	3	2010	
Developmental Testing (Normal Attack)	2	2011	4	2011	